



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known		
				Application Number		09/613,961
				Filing Date		July 11, 2000
				First Named Inventor		A. Bartholomew Flick
				Group Art Unit		3761
				Examiner Name		Kim Lewis
Sheet	1	of	6	Attorney Docket Number		ARG 0022 CIP

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	US Patent Document		Name of Patentee or Applicant of Cited Document	Date of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
		1,498,059		Tyler	06-17-1924	
		1,545,413		Elmval	07-07-1925	
		1,975,518		Rose	10-02-1934	
		1,989,282		Kimble et al.	01-29-1935	
		3,543,760		Bolduc	12-01-1970	
		3,799,162		Romero-Sierra et al.	03-26-1974	
		3,817,253		Gonser	06-18-1974	
		3,845,771		Vise	11-05-1974	
		3,911,906		Reinhold, Jr.	10-14-1975	
		3,914,488		Gorrafa et al	10-1975	
		4,213,463		Osenkarski	07-22-1980	
		4,240,437		Church	12-23-1980	
		4,312,340		Donadelli	01-26-1982	
		4,456,001		Pescatore	06-26-1984	
		4,509,535		Bryan	04-09-1985	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁸
		Office. ³	Number ⁴	Kind Code ⁵ (if known)				
		PCT	WO 99/15101		Argentum Intl LLC	04-01-1999		
		PCT	WO 00/25726		Becker Robert O	05-11-2000		
		PCT	WO 02/099181		Creavis Tech & Inn GMBH	12-12-2002		

Examiner's Signature		Date Considered	
-------------------------	--	--------------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.

¹ Unique citation designation number ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁸ Applicant to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SENT TO: Assistant Commission for Patent, Washington, DC 20231.



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known	
				Application Number	09/613,961
				Filing Date	July 11, 2000
				First Named Inventor	A. Bartholomew Flick
				Group Art Unit	3761
				Examiner Name	Kim Lewis
Sheet	2	of	6	Attorney Docket Number	ARG 0022 CIP

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	US Patent Document		Name of Patentee or Applicant of Cited Document	Date of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
		4,510,939		Brennan et al.	04-16-1985	
		4,554,923		Batters	11-26-1985	
		4,556,051		Maurer	12-03-1985	
		4,664,118		Batters	05-12-1987	
		4,867,166		Axelgaard et al.	09-19-1989	
		4,937,323		Silver et al.	06-26-1990	
		5,038,797		Batters	08-13-1991	
		5,067,478		Berlant	11-26-1991	
		5,395,398		Rogozinski	03-19-1995	
		6,063,980		Peterson et al	05-2000	
		6,171,648		Himmelsbach et al.	01-09-2001	
		6,180,544		Jauchen et al.	01-30-2001	
		6,190,407		Ogle et al.	02-20-2001	
		6,191,337		Himmelsbach	02-20-2001	
		6,224,898		Balogh et al.	05-01-2001	

FOREIGN PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁵
		Office. ³	Number ⁴	Kind Code ⁵ (if known)				
		PCT	WO 03/022317		Acordis Specialty Fibres Ltd	03-20-2003		
		PCT	WO 04/002384		Bristol Myers Squibb Co	01-08-2004		
		PCT	WO 04/037186		Nucryst Pharm Corp	05-06-2004		

Examiner's Signature	Date Considered
-------------------------	--------------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.

¹ Unique citation designation number ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SENT TO: Assistant Commission for Patent, Washington, DC 20231.



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)			Complete if Known		
			Application Number	09/613,961	
			Filing Date	July 11, 2000	
			First Named Inventor	A. Bartholomew Flick	
			Group Art Unit	3761	
			Examiner Name	Kim Lewis	
Sheet	3	of	6	Attorney Docket Number	ARG 0022 CIP

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	US Patent Document		Name of Patentee or Applicant of Cited Document	Date of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
		6,224,983		Sodervall et al.	05-01-2001	
		6,248,932		Himmelsbach	06-19-2001	
		6,267,743		Bodenschatz et al.	07-31-2001	
		6,267,782		Ogle et al.	07-31-2001	
		6,274,205		Himmelsbach et al.	08-14-2001	
		6,284,328		Leydecker et al.	09-04-2001	
		6,322,588		Ogle et al.	11-27-2001	
		6,333,093		Burrell et al.	12-25-2001	
		6,348,212		Hymes et al.	02-19-2002	
		6,350,247		Bodenschatz et al.	02-26-2002	
		6,355,858		Gibbins	03-12-2002	
		6,383,630		Jauchen et al.	05-07-2002	
		6,428,800		Greenspan et al.	08-06-2002	
		6,436,420		Antelman et al.	08-20-2002	
		6,447,470		Bodenschatz et al.	10-10-2002	
		6,459,013		Himmelsbach	10-01-2002	
		6,495,230		Do Canto	12-17-2002	
		6,506,957		Himmelsbach et al.	01-14-2003	
		6,524,699		Himmelsbach et al.	02-25-2003	
		6,551,704		Himmelsbach et al.	04-22-2003	
		6,555,730		Albrod et al.	04-29-2003	
		6,569,111		Herzberg	05-27-2003	
		6,579,539		Lawson et al.	06-17-2003	

Examiner's Signature		Date Considered	
-------------------------	--	--------------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.

¹ Unique citation designation number ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SENT TO: Assistant Commission for Patent, Washington, DC 20231.



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete If Known		
				Application Number		09/613,961
				Filing Date		July 11, 2000
				First Named Inventor		A. Bartholomew Flick
				Group Art Unit		3761
				Examiner Name		Kim Lewis
Sheet	4	of	6	Attorney Docket Number		ARG 0022 CIP

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	US Patent Document		Name of Patentee or Applicant of Cited Document	Date of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
		6,582,713		Newell et al.	06-24-2003	
		6,599,525		Scamilla Alado et al.	07-29-2003	
		6,605,751		Gibbins et al.	08-12-2003	
		6,617,485		Herzberg	09-09-2003	
		6,656,491		Brosck et al.	12-02-2003	
		6,695,824		Howard et al.	02-24-2004	
		6,706,279		Hazzi	03-16-2004	
		6,713,659		Bodenschatz et al.	03-30-2004	
		6,716,895		Terry	04-06-2004	
		6,730,053		Bodenschatz et al.	05-04-2004	
		6,822,132		Ahrens et al.	11-23-2004	
		6,852,366		Zschaeck	02-08-2005	
		6,861,570		Flick	03-01-2005	
		6,897,349		Gibbins et al.	05-24-2005	
		7,005,556		Becker et al.	02-08-2006	
		11/220,566		Becker et al.	09-06-2005	
		11/255,492		Flick et al.	10-21-2005	
		2001/0055608		Hymes et al.	12-27-2001	
		2002/0132545		Lenz	09-09-2002	
		2002/0150720		Howard et al.	10-17-2002	
		2002/0156411		Ahrens et al.	10-24-2002	
		2002/0172709		Nielsen et al.	11-21-2002	
		2002/0197257		Meyer-Ingold et al.	12-26-2002	

Examiner's Signature		Date Considered	
-------------------------	--	--------------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.

¹ Unique citation designation number ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SENT TO: Assistant Commission for Patent, Washington, DC 20231.

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete If Known	
				Application Number	09/613,961
				Filing Date	July 11, 2000
				First Named Inventor	A. Bartholomew Flick
				Group Art Unit	3761
				Examiner Name	Kim Lewis
Sheet	5	of	6	Attorney Docket Number	ARG 0022 CIP

[illegible]

Examiner's Signature		Date Considered	
-------------------------	--	--------------------	--

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 18 if possible. ⁶ Applicant to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SENT TO:** Assistant Commissioner for Patent, Washington, DC 20231.



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known	
				Application Number	09/613,961
				Filing Date	July 11, 2000
				First Named Inventor	A. Bartholomew Flick
				Group Art Unit	3761
				Examiner Name	Kim Lewis
Sheet	6	of	6	Attorney Docket Number	ARG 0022 CIP

OTHER ART -- NON PATENT LITERATURE DOCUMENTS

Examiner's Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
		Amended Complaint – Noble Fiber Technologies, LLC v. Argentum Medical, LLC et al., Civil Action Case No. 3:05-cv-01855-ARC filed October 21, 2005.	
		BECKER et al., "Clinical Exp. With Low Intensity Direct Current Stimulation of Bone Growth," <i>Clin. Orthop. & Rel. Res.</i> , (1977) Vol. 124, pp. 75-83.	
		BECKER et al., "Electrochemical Mechanisms and the Control of Biological Growth Processes," <i>Modern Aspects of Electrochemistry</i> , (1971) No. 10, pp. 289-338.	
		BECKER et al., "Experience with Low-Current Silver Electrode Treatment of Nonunion," <i>Electrical Prop. Bone & Cartilage</i> (ed. C.T. Brighton, et al.), (1979).	
		BERGER et al., "Electrically Generated Silver Ions: Quantitative Effects on Bacterial & Mammalian Cells," <i>Antimicrob. Agents & Chemother.</i> , (1976) Vol. 9, pp. 357-358.	
		Complaint – Noble Fiber Technologies, LLC v. Argentum Medical, LLC, Civil Action No. 3:05-CV-01855-ARC, filed September 13, 2005.	
		HILL et al., "Inhibitory and Cidal Antimicrobial Actions of Electrically Generated Silver Ions," <i>J. Oral & Maxillofac. Surg.</i> , (1987) Vol. 45, pp. 779-784.	
		SPADARO et al., "Experience with Anodic Silver in the Treatment of Osteomyelitis," 25 th Ann. ORS Mtg., (February 20-22, 1979).	
		SPADARO et al., "Some Specific Cellular Effects of Electrically Injected Silver & Gold Ions," <i>Bioelectrochem. & Bioenergetics</i> , (1976) Vol. 3, pp. 49-57.	
		URIST et al., "Bone Morphogenesis in Implants of Insoluble Bone Gelatin," <i>Proc. Nat. Acad. Sci. USA</i> , (1973) Vol. 70, No. 12, Part I, pp. 3511-3515.	

Examiner's Signature	Date Considered
----------------------	-----------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.

¹ Unique citation designation number ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SENT TO: Assistant Commission for Patent, Washington, DC 20231.